

Please type a plus (+) sign in this box

Substitute for form 1449 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> JAN 12 2006 RECEIVED				Attorney Docket Number	71635
				First Named Inventor	Jernigan et al.
				COMPLETE IF KNOWN	
				Application Number	10/665,664
				Filing Date	September 18, 2003
				Group Art Unit	1711
Sheet	1	of	3	Examiner Name	Irina Sopjia Zemel

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
		2,706,722		Caldwell	04-19-1955
		3,390,134		Kibler	06-25-1968
		3,972,852		Inata, et al.	08-03-1976
		5,164,478		Lee et al.	11-17-1992
		5,187,216		Cassell et al.	02-16-1993
		5,310,515		Jurgen et al.	05-10-1994
		5,532,333		Stouffer et al.	07-02-1996
		5,540,868		Stouffer et al.	07-30-1996
		5,766,533		Mears et al.	06-16-1998
		6,113,997		Massey et al.	09-05-2000
		6,228,302		Al Ghatta	05-08-2001
		6,512,078		Gantillon et al.	01-28-2003
		2002/171159		Matthaei et al.	11-21-2002
		2004/0011330		Sauler et al.	01-22-2004

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
		DD	226896 (ABS)		AKAD Wissenschaften DDR	09-04-1985
		DE	10149474		Buhler AG, Uzwil CH	04-17-2003
		DE	10215344 (ABS)		Primary Prod. Technologies GMBH	10-30-2003
		DE	19848245		Rieter Automatik GMBH	04-05-2000
		EP	867458 (ABS)		Mitsui Chem Inc.	09-30-1998

Examiner Signature	<i>Irina Zemel</i>	Date Considered	4-27-06
--------------------	--------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus (+) sign in this box →



Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number		71635			
				First Named Inventor		Jernigan et al.			
				COMPLETE IF KNOWN					
				Application Number		10/665,664			
				Filing Date		September 18, 2003			
				Group Art Unit		1711			
Sheet	2	of	3	Examiner Name		Irina Sopjia Zemel			

		JP	3041851 (ABS)		Toyo Boseki KK	05-15-2000	
		JP	3075406 (ABS)		Toyobo KK	08-14-2000	
		JP	3095166 (ABS)		Toyobo KK	06-21-1999	
		JP	53054295 (ABS)		Teijin Ltd.	05-17-1978	
		JP	59045107 (ABS)		Teijin Ltd.	09-07-1982	
		JP	8073611		Mitsui Chemicals	03-19-1996	✓
		JP	2000143791 (ABS)		Mitsubishi Chem. Corp.	05-26-2000	
		JP	2001040081 (ABS)		Toyobo KK	02-13-2001	
		JP	2001072753 (ABS)		Toyobo KK	03-21-2001	
		JP	2001106777 (ABS)		Toyobo KK	04-17-2001	
		JP	2001131277 (ABS)		Toyobo KK	05-15-2001	
		JP	2001247669		Toyobo Co. Ltd.	09-11-2001	✓
		JP	2001302777 (ABS)		Toyobo KK	10-31-2001	
		JP	2001302778 (ABS)		Toyobo KK	10-31-2001	
		JP	2002105189 (ABS)		Toyobo KK	04-10-2002	
		JP	2002332340		Toyobo Co. Ltd.	11-22-2002	✓
		JP	2002338676		Toyobo Co. Ltd.	11-27-2002	✓
		JP	2003137993		Mitsubishi Chemical Corporation	05-14-2003	✓
		JP	2003181831		Private Company Sato "Industry"	12-14-2001	✓
		JP	2003200420		Toppan Printing Co., Ltd.	07-15-2003	✓
		JP	2003206344		Toyobo Co. Ltd.	07-22-2003	✓
		JP	2003206346		Toyobo Co. Ltd.	07-22-2003	✓
		JP	2003306537		Toyobo Co. Ltd.	10-31-2003	✓
		JP	2003306538		Toyobo Co. Ltd.	10-31-2003	✓

Examiner Signature	<i>Irina Sopjia Zemel</i>	Date Considered	4-27-06
--------------------	---------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus (+) sign in this box →



Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number		71635			
				First Named Inventor		Jernigan et al.			
				COMPLETE IF KNOWN					
				Application Number		10/665,664			
				Filing Date		September 18, 2003			
				Group Art Unit		1711			
Sheet	3	of	3	Examiner Name		Irina Sopjia Zemel			

		JP	2003306540		Toyobo Co. Ltd.	10-31-2003	✓
		JP	2003327680		Mitsubishi Chemical Corporation	11-19-2003	✓
		JP	2003342358		Mitsui Chemicals Inc.	12-03-2003	✓
		WO	00/32673		Rhodia	06-08-2000	✓
		WO	200032677 (ABS)		Tergal Fibres	06-08-2000	
		WO	200112698 (ABS)		Buehler	02-22-2001	

OTHER - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature	<i>Irina Sopjia Zemel</i>	Date Considered	4-27-06
-----------------------	---------------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



Please type a plus (+) sign in this box →






Substitute for form 1449

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number		71635	
First Named Inventor		Jernigan et al.	
COMPLETE IF KNOWN			
Application Number		10/665,664	
Filing Date		September 18, 2003	
Group Art Unit		1711	
Sheet	1	of	3
Examiner Name		Irina Sopjia Zemel	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code* (if known)		
m		2,706,722		Caldwell	04-19-1955
		3,390,134		Kibler	06-25-1968
		3,972,852		Inata, et al.	08-03-1976
		5,164,478		Lee et al.	11-17-1992
		5,187,216		Cassell et al.	02-16-1993
		5,310,515		Jurgen et al.	05-10-1994
		5,532,333		Stouffer et al.	07-02-1996
		5,540,868		Stouffer et al.	07-30-1996
		5,766,533		Mears et al.	06-16-1998
		6,113,997		Massey et al.	09-05-2000
		6,228,302		Al Ghatta	05-08-2001
		6,512,078		Gantillon et al.	01-28-2003
m		2002/171159		Matthaei et al.	11-21-2002
		2004/0011330		Sauler et al.	01-22-2004

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		DD	226806 (ABS)		AKAD Wissenschaften-DDR	09-04-1985	
		DE	10149474		Buhler AG, Uzwil CH	04-17-2003	✓
		DE	10215344 (ABS)		Primary Prod. Technologies GMBH	10-30-2003	
		DE	19848245		Rieter Automatik GMBH	04-05-2000	✓
		EP	867458 (ABS)		Mitsui Chem Inc.	09-30-1998	

Examiner Signature		Date Considered	9-27-06
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus (+) sign in this box →



Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number		71635			
				First Named Inventor		Jernigan et al.			
				COMPLETE IF KNOWN					
				Application Number		10/665,664			
				Filing Date		September 18, 2003			
				Group Art Unit		1711			
Sheet	2	of	3	Examiner Name		Irina Sopjia Zemel			

JP	3041851 (ABS)	Toyo Boseki KK	05-15-2000	
JP	3075406 (ABS)	Toyobo KK	08-14-2000	
JP	3095166 (ABS)	Toyobo KK	06-21-1999	
JP	53054295 (ABS)	Teijin Ltd.	05-17-1978	
JP	59045107 (ABS)	Teijin Ltd.	09-07-1982	
JP	8073611	Mitsui Chemicals	03-19-1996	✓
JP	2000143791 (ABS)	Mitsubishi Chem. Corp.	05-26-2000	
JP	2001040081 (ABS)	Toyobo KK	02-13-2001	
JP	2001072753 (ABS)	Toyobo KK	03-21-2001	
JP	2001106777 (ABS)	Toyobo KK	04-17-2001	
JP	2001131277 (ABS)	Toyobo KK	05-15-2001	
JP	2001247669	Toyobo Co. Ltd.	09-11-2001	✓
JP	2001302777 (ABS)	Toyobo KK	10-31-2001	
JP	2001302778 (ABS)	Toyobo KK	10-31-2001	
JP	2002105189 (ABS)	Toyobo KK	04-10-2002	
JP	2002332340	Toyobo Co. Ltd.	11-22-2002	✓
JP	2002338676	Toyobo Co. Ltd.	11-27-2002	✓
JP	2003137993	Mitsubishi Chemical Corporation	05-14-2003	✓
JP	2003181831	Private Company Sato **Industry*	12-14-2001	✓
JP	2003200420	Toppan Printing Co., Ltd.	07-15-2003	✓
JP	2003206344	Toyobo Co. Ltd.	07-22-2003	✓
JP	2003206346	Toyobo Co. Ltd.	07-22-2003	✓
JP	2003306537	Toyobo Co. Ltd.	10-31-2003	✓
JP	2003306538	Toyobo Co. Ltd.	10-31-2003	✓

Examiner Signature	<i>Irina Sopjia Zemel</i>	Date Considered	4-27-06
--------------------	---------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus (+) sign in this box →



Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number		71635			
				First Named Inventor		Jernigan et al.			
				COMPLETE IF KNOWN					
				Application Number		10/665,664			
				Filing Date		September 18, 2003			
				Group Art Unit		1711			
Sheet	3	of	3	Examiner Name		Irina Sopjia Zemel			

		JP	2003306540		Toyobo Co. Ltd.	10-31-2003	✓
		JP	2003327680		Mitsubishi Chemical Corporation	11-19-2003	✓
		JP	2003342358		Mitsui Chemicals Inc.	12-03-2003	✓
		WO	00/32673		Rhodia	06-08-2000	✓
		WO	200032677 (ABS)		Tergal Fibres	06-08-2000	
		WO	200112698 (ABS)		Buehler	02-22-2001	

OTHER - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JS</i>		Co-pending US application 10/986,129 filed November 10, 2004; CIP of US application number 10/683,522 filed October 10, 2003, ABD	

Examiner Signature	<i>Irina Sopjia Zemel</i>	Date Considered	<i>4-27-06</i>
-----------------------	---------------------------	--------------------	----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.